

SERVICE MANUAL

COMPACT DISC STEREO
SYSTEM

BASIC TAPE MECHANISM : 2ZM-3MK2 PR4NM
BASIC CD MECHANISM : AZG-2 CS3RNDM

SYSTEM	CD-CASSEIVER	SPEAKER
NSX-SV9	CX-NSV9	SX-WSV9

This Service Manual contains information about the difference between NSX-K980 (TYPE:HR).
If requiring the other information, see Service Manual of the NSX-K980 (TYPE:HR) (S/M Code No.
09-994-413-7R1).

If requiring information about the CD mechanism, see Service Manual of AZG-2, S/M
Code No.09-998-335-7N2.

SPECIFICATIONS

Main unit CX-NSV9

FM tuner section

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	13.2 dBf
Antenna terminals	75 ohms (unbalanced)

MW tuner section

Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

SW tuner section

Tuning range	5.900 MHz to 17.900 MHz
Antenna	Wire antenna

Amplifier section

Mid-high frequency amplifier

Power output	Rated: 32 W + 32 W (6 ohms, T.H.D. 1%, 1 kHz) Reference: 40 W + 40 W (6 ohms, T.H.D. 10%, 1kHz)
Total harmonic distortion	0.1 % (15 W, 1 kHz, 6 ohms, DIN AUDIO)

Low frequency amplifier

Power output	Rated: 125 W + 125 W (6 ohms, T.H.D. 1%, 70 Hz) Reference: 155 W + 155 W (6 ohms, T.H.D. 10%, 70 Hz)
Total harmonic distortion	0.1 % (70 W, 70 Hz, 6 ohms, DIN AUDIO)

Inputs

VIDEO/AUX: 316 mV (adjustable)
MD: 316 mV (adjustable)

Outputs

MIC 1, MIC 2: 1.0 mV (10 k ohms)
VIDEO OUT: 1.0Vp-p (75 ohms)
SPEAKERS HIGH FREQ:
accept speakers of 6 ohms or more
SPEAKERS LOW FREQ:
accept speakers of 6 ohms or more
SURROUND SPEAKERS:
accept speakers of 8 ohms to 16 ohms
LINE OUT: 150 mV
PHONES (stereo jack): accepts headphones of 32 ohms or more

Cassette deck section

Track format	4 tracks, 2 channels stereo
Frequency response	CrO ₂ tape: 50 Hz – 16000 Hz Normal tape: 50 Hz – 15000 Hz
Recording system	AC bias
Heads	Deck 1: Playback head × 1 Deck 2: Recording/playback head × 1, erase head × 1

Compact disc player section


Laser	Semiconductor laser (λ = 780 nm)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)
Wow and flutter	Unmeasurable
Video signal	PAL color format
Video data	MPEG 1 MPEG 2
Audio data	MPEG 1, LAYER 2 MPEG 2, LAYER 2

General

Power requirements	120 V/220 – 230 V/240 V AC, switchable, 50/60 Hz
Power consumption	240 W
Dimensions of main unit (W × H × D)	260 × 324 × 340 mm
Weight of main unit	11 kg
Standby power consumption	With power-economizing mode off: 33 W With power-economizing mode on: 1.5 W

Speaker system SX-WSV9

Cabinet type	4 way, built-in subwoofer (magnetic shielded type)
Speakers	Subwoofer: 200 mm cone type Woofer: 120 mm cone type Tweeter: 60 mm cone type Super tweeter: 20 mm ceramic type
Impedance	6 ohms/6 ohms
Output sound pressure level	87 dB/W/m
Dimensions (W × H × D)	240 × 354 × 319 mm
Weight	6.5 kg

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ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-NH5-903-010	IB,H(EC-H)M	SVCD

ALTERATION LIST

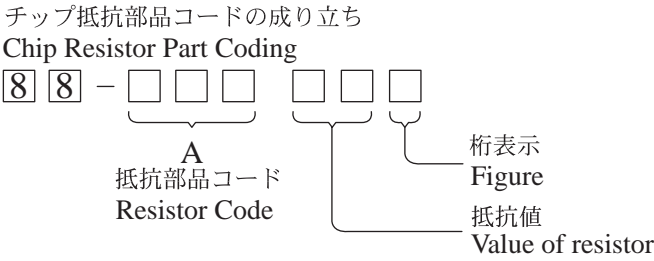
ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".


REF. NO	PART NO.	KANRI NO.	DESCRIPTION
TRANSISTOR			
	87-A30-086-070	C-TR,CSD1306E	
	87-A30-318-080	C-TR,CSA952K	
	87-A30-107-070	C-TR,CMBT5401	
DIODE			
	87-070-322-080	ZENER,MTZJ 36D	
	87-A40-313-080	C-DIODE,MC2840	
	87-A40-250-040	C-DIODE,DAN217	
	87-A40-646-010	DIODE,FMB-G16L	
	87-020-465-080	DIODE,1SS133 (110MA)	
MAIN C.B			
C421	87-012-156-080	C-CAP,S 220P-50	
C422	87-012-156-080	C-CAP,S 220P-50	
C451	87-010-400-080	CAP, ELECT 0.47-50V	
C452	87-010-400-080	CAP, ELECT 0.47-50V	
C603	87-010-186-080	C-CAP,S 4700P-50 B	
C604	87-010-186-080	C-CAP,S 4700P-50 B	
C614	87-012-142-080	C-CAP,S 0.33-16	
FRONT C.B			
C105	87-010-322-080	C-CAP,S 100P-50 CH	
C106	87-010-322-080	C-CAP,S 100P-50 CH	

- Regarding connectors, they are not stocked as they are not the initial order items.
The connectors are available after they are supplied from connector manufacturers upon the order is received.

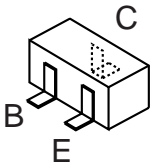
○チップ抵抗部品コード／CHIP RESISTOR PART CODE



チップ抵抗
Chip resistor

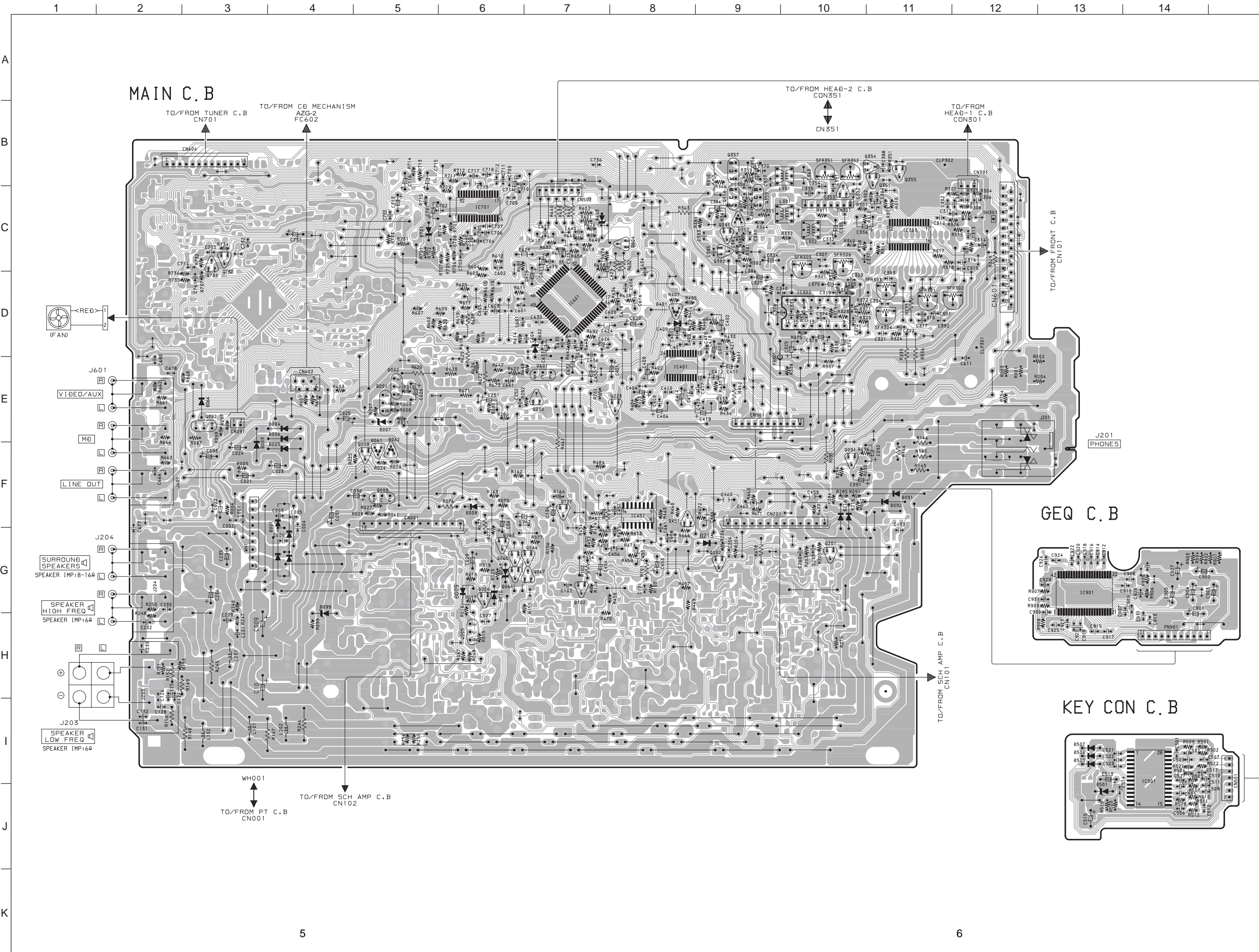
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A
				外形／Form	L	W	t	Resistor Code : A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

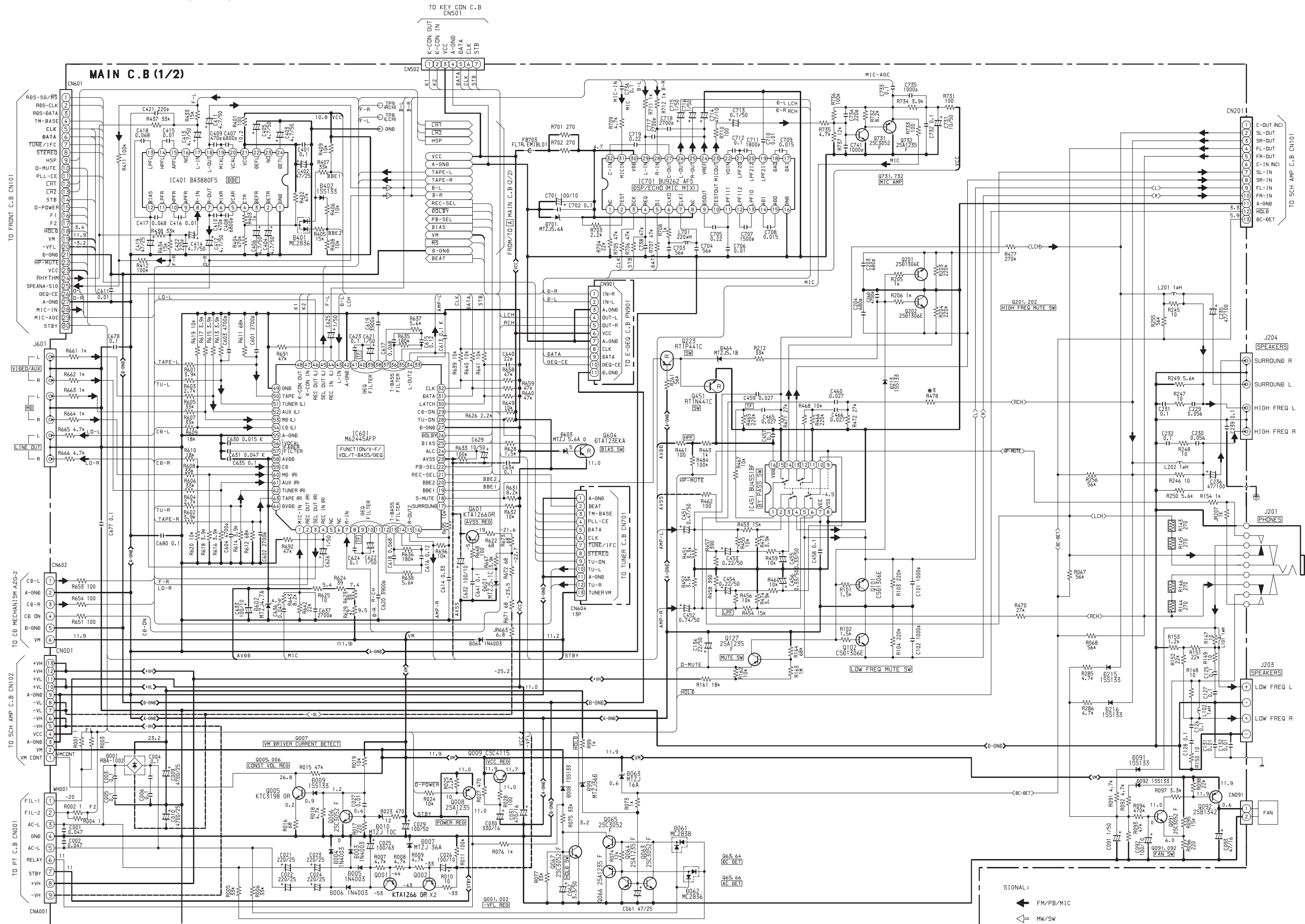
TRANSISTOR ILLUSTRATION



CMBT5401 CSD1306E
CSA952K

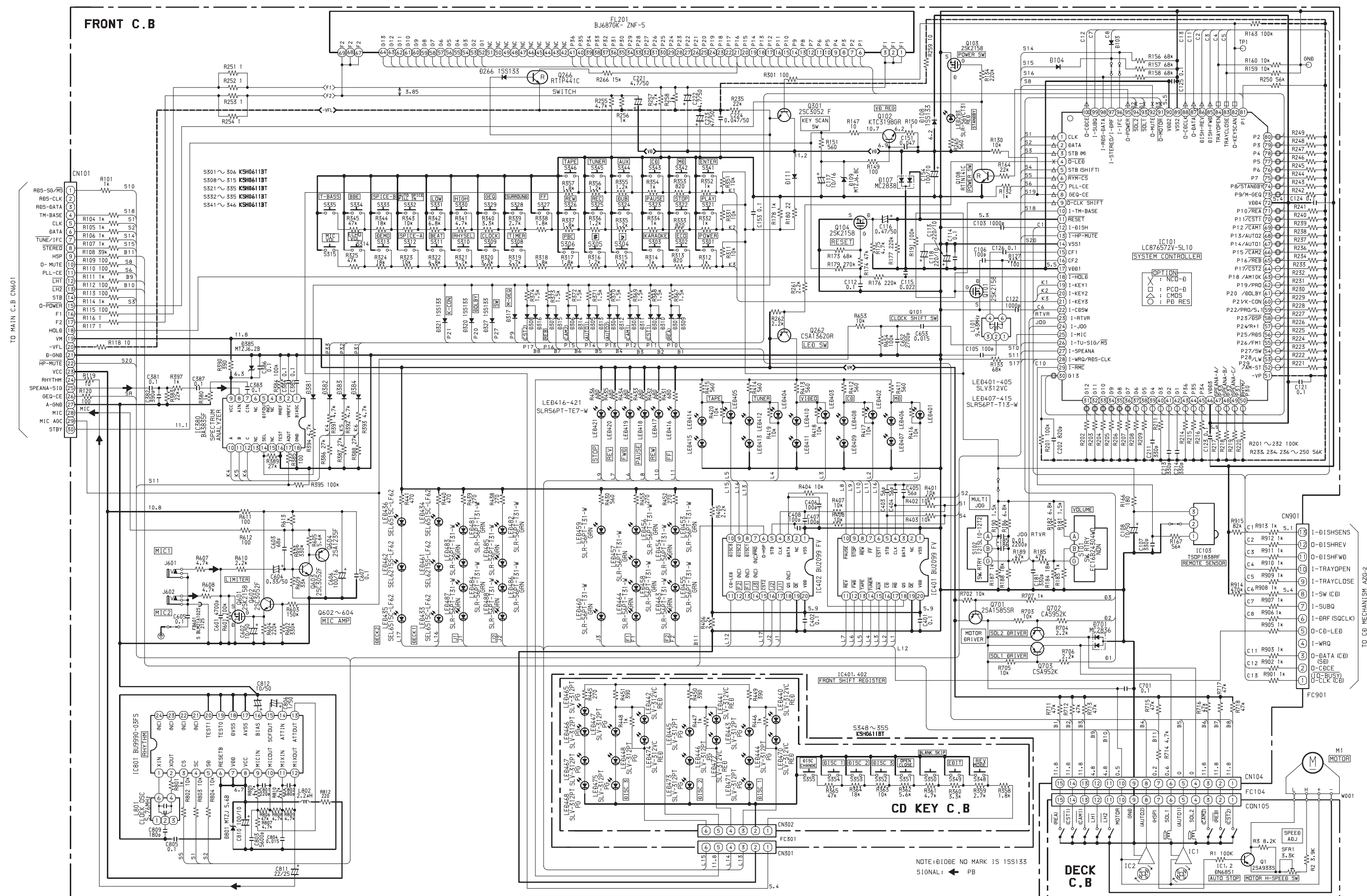
WIRING-1 (MAIN)

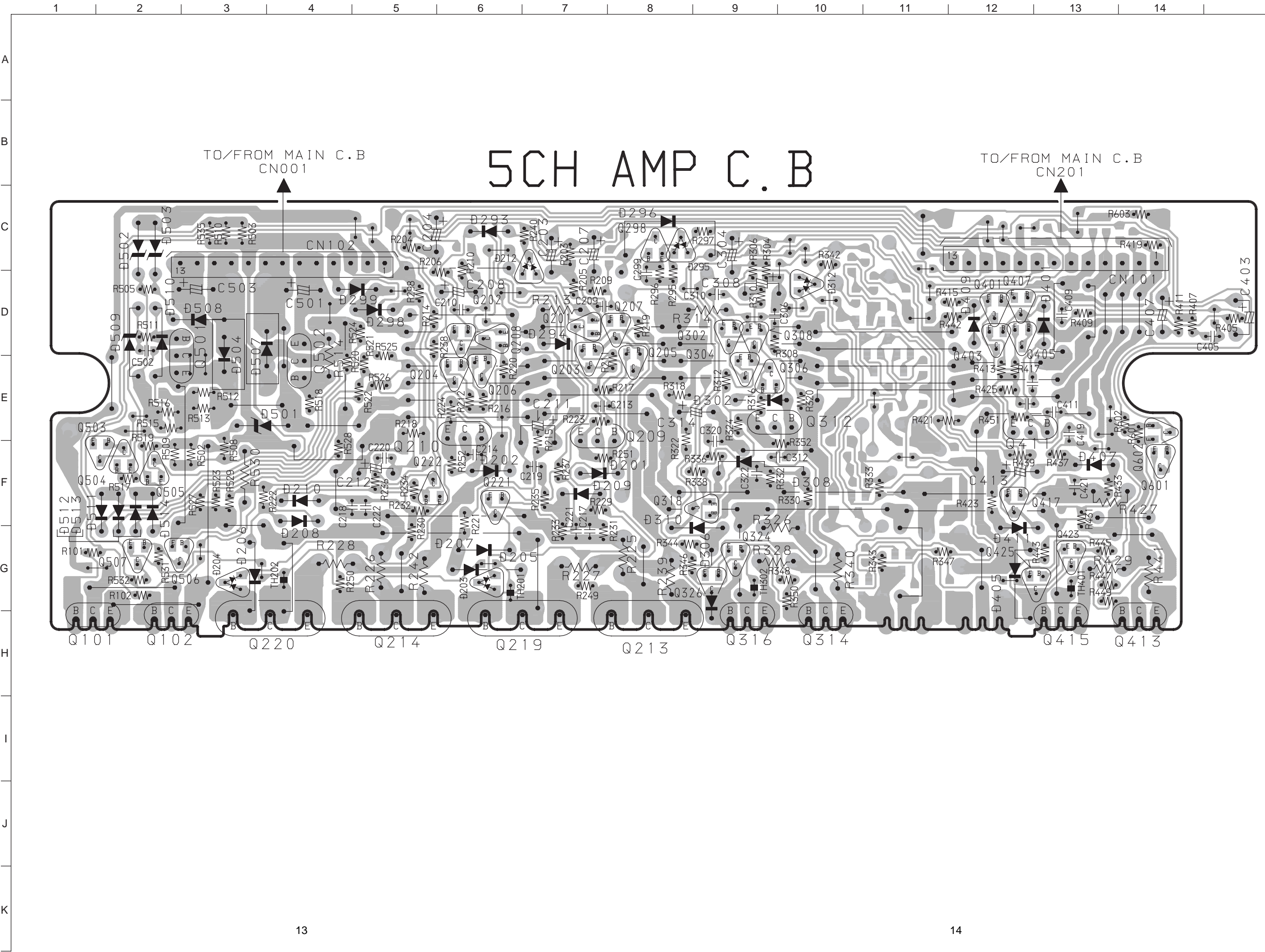




1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |

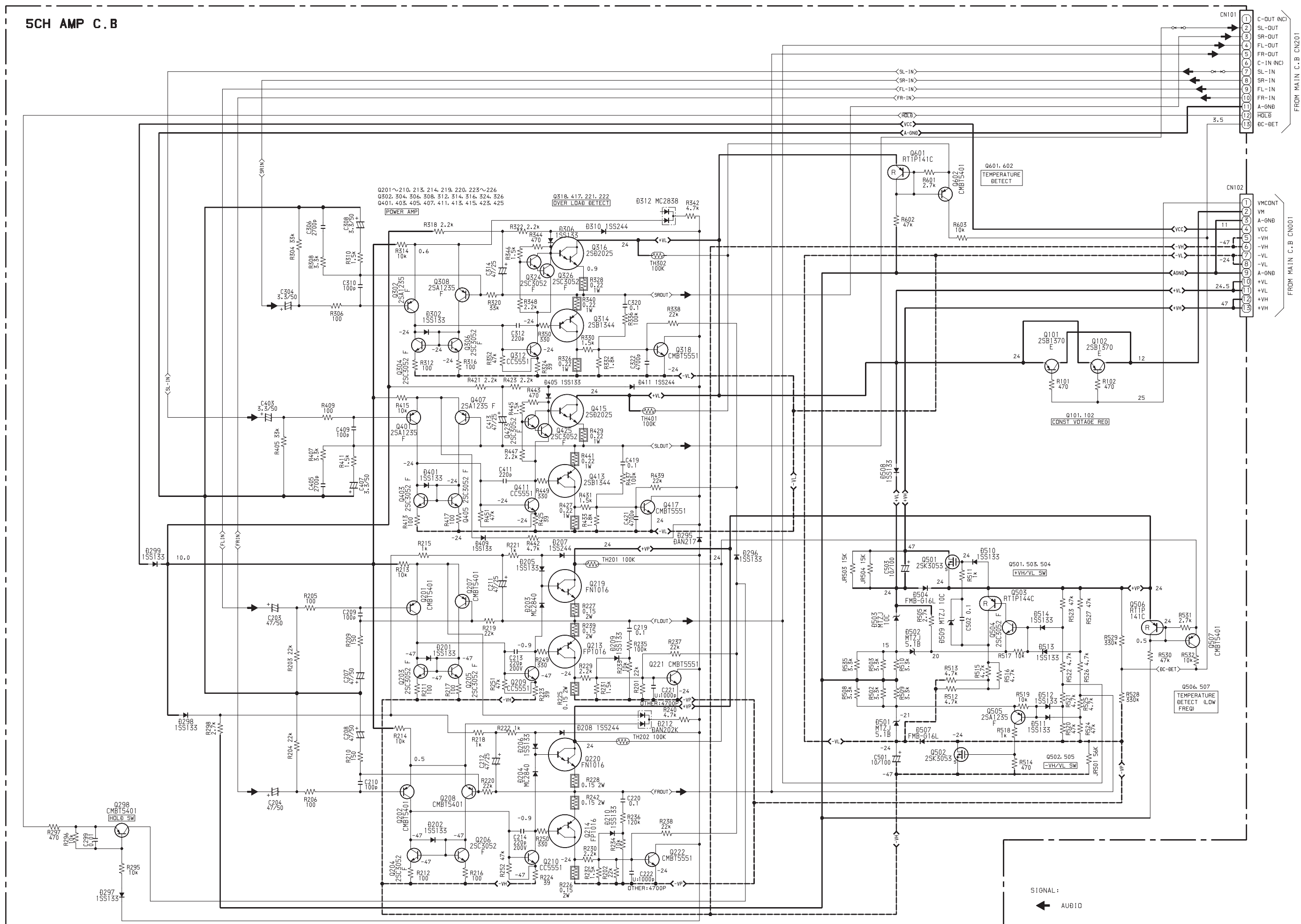
SCHEMATIC DIAGRAM-2 (FRONT)





SCHEMATIC DIAGRAM-3 (5CH AMP)

5CH AMP C.B



ALTERATION LIST
MECHANICAL PARTS LIST 1/1

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REF. NO	PART NO.	KANRI NO.	DESCRIPTION
4	8Z-NH5-006-010		PANEL,TRAY SVCD
23	8Z-NH5-007-010		WINDOW,DISPLAY SVCD
28	8Z-NF5-214-210		HLDR,HT F
29	8Z-NF5-215-210		HLDR,HT R
30	8Z-NH5-013-010		CABI,REAR SV HRJSTM
55	88-906-371-110		FF-CABLE, 6P 1.25
58	87-003-317-010		F-BEAD,F0H2515-LG7

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

SPEAKER PARTS LIST 1/1

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REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	86-NS5-012-010		BADGE,AIWA 35
2	88-NS5-602-010		SPKR,W 200
3	88-NS5-605-110		SPKR,T 60
4	88-NS5-610-010		CORD,SPKR
5	88-NS5-611-010		CORD,SPKR B/L
6	8Z-NS5-001-010		PANEL,FR WNS999
7	8Z-NS5-002-010		PANEL,SP WNS999
8	8Z-NS5-004-010		PANEL,TOP WNS999
9	8Z-NS5-005-010		PANEL,STAND WNS999
10	8Z-NS5-006-010		PROTECTOR, WNS999
11	8Z-NS5-010-010		GRILLE,FRAME ASSY
12	8Z-NS5-604-010		SPKR, M 120
13	8Z-NSY-608-010		SPKR, CERAMIC ASSY (SWNH33)
14	8Z-NS5-014-010		PROTECTOR, TW